

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG2007/000288

A. CLASSIFICATION OF SUBJECT MATTER												
Int. Cl.												
H01L 33/00 (2006.01) H01L 23/482 (2006.01)												
According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED												
Minimum documentation searched (classification system followed by classification symbols)												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched												
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI limit H01L/IC, (LED or light emitting diode or laser diode or photoelectric diode), (conduct, terminal, electrode, metal, contact, pad), (grid or array or pattern), (layer or film or top), (current or light), (spread or diffuse or distribute or dissipate), (bond or connect or link), pad, spoke or joint												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	JP 2001237461 A (TOSHIBA CORP) 31 August 2001 Paragraphs 0010, 0013, 0022, 0024, 0033, Figs. 1-3	1-4, 7-10										
X	US 2005/0082555 A1 (CHIEN ET AL.) 21 April 2005 Paragraphs 0031, 0034, 0043, Figs. 2A-2E	1-4, 7-10										
X	US 6307218 B1 (STEIGERWALD ET AL.) 23 October 2001 Column 5, lines 22-30, column 9, lines 45-67, Figs. 21C, 22B	1-4, 7-10										
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex												
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art											
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"P" document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 30 October 2007		Date of mailing of the international search report - 9 NOV 2007										
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer JAYATI RAY AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No : (02) 6283										

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0087884 A1 (STOKES ET AL.) 28 April, 2005 Paragraphs 0022, 0025, 0028-0029, Fig. 1	1, 7
X	US 2005/0093002 A1 (TSAI ET AL.) 5 May 2005 Paragraphs 0021, 0031, Figs. 2a-2b	1-12
X	US 2005/0035354 A1 (LIN ET AL.) 17 February 2005 Paragraphs 0030, 0031, 0037, Figs. 4-5, 8-9	1-4, 7-10
X	US 6420732 B1 (KUNG ET AL.) 16 July 2002 Column 10, lines 53-67, Figs. 5-12	1-4, 7-10
A	US 2003/0111667 A1 (SCHUBERT) 19 June 2003 Whole document	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
JP	2001237461	NONE			
US	2005082555	US	6958496		
US	6307218	DE	19953160	GB	2343994
		JP	2000164930		
US	2005087884	US	7119372		
US	2005093002	US	7012281		
US	2005035354	CN	1670972	US	6958494
US	6420732	NONE			
US	2003111667	AU	2002360581	CA	2470095
		EP	1454369		
		US	6784462	WO	03052838
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					